AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method of providing an advance screen saver warning for a display apparatus, the method comprising:

predetermining a screen saver standby time and an advance screen saver warning time for a current user session;

counting a current system idle time during which no system input activity is detected during the current user session;

activating an advance screen saver warning before activating a screen saver if the current system idle time is greater than or equal to a time difference between the screen saver standby time and the advance screen saver warning time, wherein the activated advance screen saver warning is continuously executed by the display apparatus until a detection of system activity during the current user session, whereupon the advance screen saver warning is deactivated, and wherein the screen saver is activated only if the advance screen saver warning time is completed; and

controlling, during the continuous execution of the advance screen saver warning, the display apparatus to output at least one of a specified sound and a visual warning message window indicative of [[the]] a time difference between the screen saver standby time and the advance screen saver warning current system idle time,

wherein the at least one of the specified sound and the visual warning message window is initiated based on the counting of said current system idle time and is deactivated by detection of system activity during the current user session.

- 2. (Original) The method of claim 1, further comprising deactivating the advance screen saver warning and activating the screen saver if the current system idle time is greater than or equal to the screen saver standby time.
- 3. (Original) The method of claim 2, wherein the deactivating the advance screen saver warning and the activating the screen saver are performed simultaneously.

4-6. (Cancelled)

7. (Previously Presented) The method of claim 1, wherein the visual warning message

window includes at least one of a textual representation and a graphical representation indicating

the remaining time.

8. (Original) The method of claim 7, wherein the graphical representation included in the

warning message window is any one of a bar-type graph, a clock-type graph with a moving

indicator, and a pie-type graph.

9. (Previously Presented) The method of claim 1, wherein the visual warning message

window is displayed on a predetermined screen portion of the display screen, which is

automatically determined by default or is manually determined by an operator.

10. (Currently Amended) The method of claim 1, further comprising undisplaying the

visual the warning message window from the display screen if any system input activity is

detected during the current user session.

11. (Previously Presented) The method of claim 1, further comprising undisplaying the

visual warning message window and activating the screen saver if the current system idle time is

greater than or equal to the screen saver standby time.

12. (Previously Presented) The method of claim 1, wherein the visual warning message

window is an on-screen-display (OSD) window.

13. (Cancelled)

14. (Previously Presented) The method of claim 1, wherein the specified sound is any one

of a computer-generated sound and a human voice indicating a time remaining until the screen

saver is activated.

15. (Original) The method of claim 1, wherein the screen saver standby time is a total

length of system idle time that must elapse before activating the screen saver.

16. (Original) The method of claim 1, wherein the advance screen saver warning time is a

length of time during which the advance screen saver warning is continuously activated before

activating the screen saver.

17. (Original) The method of claim 1, wherein the screen saver standby time is

predetermined to an automatically assigned default value or a manually selected value.

18. (Original) The method of claim 1, wherein the advance screen saver warning time is

predetermined to an automatically assigned default value or a manually selected value.

19. (Currently Amended) The method of claim 1, wherein the system input activity

includes at least one of a horizontal synchronization signal, a vertical synchronization signal, and

a manual user input during the current user session.

20. (Original) The method of claim 19, wherein the manual user input is made by a user

through a keyboard or mouse.

21. (Currently Amended) A display apparatus for providing an advance screen saver

warning, the apparatus comprising:

a parameter set unit for predetermining a screen saver standby time and an advance

screen saver warning time for a current user session;

a counter for counting a current system idle time during which no system input activity is detected during the current user session; and

a controller, coupled to the parameter set unit and the counter, for activating an advance screen saver warning before activating a screen saver if the current system idle time is greater than or equal to a time difference between the screen saver standby time and the advance screen saver warning time,

wherein the activated advance screen saver warning is continuously executed by the display apparatus until a detection of system activity during the current user session, whereupon the advance screen saver warning is deactivated,

wherein the screen saver is activated only if the advance screen saver warning time is completed,

wherein, during the continuous execution of the advance screen saver warning, the display apparatus is controlled by said controller to output at least one of a specified sound and a visual warning message window indicative of [[the]] a time difference between the screen saver standby time and the advance screen saver warning current system idle time, and

wherein the at least one of the specified sound and the visual warning message window is initiated based on the counter counting the current system idle time and is deactivated by detection of system activity during the current user session.

22. (Original) The display apparatus of claim 21, wherein the controller further deactivates the advance screen saver warning and simultaneously activates the screen saver when the current system idle time is greater than or equal to the screen saver standby time.

23-25. (Cancelled)

26. (Previously Presented) The display apparatus of claim 21, wherein the visual warning message window includes at least one of a textual representation and a graphical representation indicating the remaining time.

Docket No.:0465-1116P Art Unit: 2175

Page 6 of 13

27. (Previously Presented) The display apparatus of claim 26, wherein the graphical

representation included in the visual warning message window is any one of a bar-type graph, a

clock-type graph with a moving indicator, and a pie-type graph.

28. (Previously Presented) The display apparatus of claim 21, wherein the visual warning

message window is displayed on a predetermined screen portion of the display screen, the

predetermined screen portion being automatically determined by the controller or being

manually determined by an operator.

29. (Currently Amended) The display apparatus of claim 21, wherein the controller sends

an interruption signal to the message window generator in order to undisplay the visual warning

message window from the display screen when any system input activity is detected during the

current user session.

30. (Previously Presented) The display apparatus of claim 21, wherein the controller

activates the screen saver and simultaneously sends an interruption signal to the message

window generator in order to undisplay the visual warning message window when the current

system idle time being counted by the counter is greater than or equal to the screen saver standby

time.

31. (Previously Presented) The display apparatus of claim 21, wherein the message

window generator is an on-screen-display (OSD) window generator, and the visual warning

message window is an OSD window.

32. (Previously Presented) The display apparatus of claim 21, further comprising a

speaker coupled to the controller for outputting the specified sound, wherein the specified sound

is any one of a computer-generated sound and a human voice indicating a time remaining until

the controller activates the screen saver.

Docket No.:0465-1116P

Art Unit: 2175 Page 7 of 13

33. (Previously Presented) The display apparatus of claim 21, wherein the screen saver

standby time predetermined by the parameter set unit is a total length of system idle time that

must elapse before the controller activates the screen saver.

34. (Previously Presented) The display apparatus of claim 21, wherein the advance screen

saver warning time is a length of time during which the controller continuously activates the

advance screen saver warning before activating the screen saver.

35. (Currently Amended) The display apparatus of claim 21, further comprising a sync

detector coupled to the controller for detecting at least one of a horizontal synchronization signal

and a vertical synchronization signal, wherein the system input activity comprises receiving by

said sync detector the at least one of horizontal and vertical synchronization signals during the

current user session.

36. (Currently Amended) The display apparatus of claim 21, further comprising a key

input unit coupled to the controller for receiving a manual user input from an operator, wherein

the system input activity comprises the manual user input during the current user session.

37. (Previously Presented) The display apparatus of claim 36, wherein the key input unit

is any one of a keyboard or mouse.

38. (Previously Presented) The display apparatus of claim 21, further comprising a

memory coupled to the controller for storing the predetermined screen saver standby time and

advance screen saver warning time.

39. (Previously Presented) The display apparatus of claim 38, wherein the memory is an

Electrically Erasable Programmable Read-only Memory (EEPROM).

40-43. (Canceled).

Application No. 10/747,949 Amendment dated: July 1, 2008

Docket No.:0465-1116P Art Unit: 2175

Page 8 of 13

44. (Previously Presented) The method of claim 1, wherein the predetermined screen

saver standby time and advance screen saver warning time are manually set by a user of the

display apparatus.

45. (Previously Presented) The display apparatus of claim 21, wherein the predetermined

screen saver standby time and advance screen saver warning time are manually set by a user of

the display apparatus.

46. (Currently Amended) A new-method of providing and-an_advance screen saver

warning for a display apparatus, the method comprising:

predetermining a screen saver standby time and an advance screen saver warning time for

a current user session;

counting a current system idle time during which no system idle time during the current

user session exceeds a time difference calculated by subtracting the current system idle time

from the screen saver standby time; and

controlling, during a continuous execution of the advance screen saver warning, the

display apparatus:

to display a visual warning message window indicative of [[the]] a time difference

between the screen saver standby time and the advance screen saver warning current system idle

time.

to discontinue displaying the visual warning message window, if system input activity is

detected before the advance screen saver warning time is completed during the current user

session, and

to discontinue displaying the visual warning message window and execute a screen saver

program restricting system access by requiring system authorization, only if the advance warning

time is completed by the currently idle time exceeding the screen saver standby time,

Docket No.:0465-1116P Art Unit: 2175

Page 9 of 13

wherein the activated advance screen saver warning is continuously executed by the

display apparatus until detection of the system activity during the current user session,

whereupon the advance screen saver warning is deactivated, and

wherein the visual warning message window is initiated based on said counting and is

deactivated by the detection of the system activity during the current user session.

47. (New) The method of claim 1, wherein the current user session is a continuous single-

user session beginning when an original user logs on a computer system including the display

apparatus until the original user logs off the computer system.

48. (New) The display apparatus of claim 21, wherein the current user session is a

continuous single-user session beginning when an original user logs on a computer system

including the display apparatus until the original user logs off the computer system.

49. (New) The method of claim 46, wherein the current user session is a continuous

single-user session beginning when an original user logs on a computer system including the

display apparatus until the original user logs off the computer system.